

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) A wireless display system composed of an image display device and a data processing device connected through wireless communication elements ~~means~~, said wireless display system comprising:

data input and output port ~~means~~ for input and output of data in and from said image display device,

input and output data converting elements ~~means~~ for converting data format and protocol in said wireless communication elements ~~means~~, and

input and output processing virtual elements ~~means~~ for making virtual data input and output process in said data processing device as if the data input and output port ~~means~~ were connected directly,

wherein said data input and output port ~~means~~ and input and output data converting elements ~~means~~ are provided in said image display device,

said input and output processing virtual elements ~~means~~ is provided at said data processing device side, and

all data, including ~~about~~ data input data and output data, communicated between said image display device and data processing device are mutually transmitted and received through said input and output data converting elements ~~means~~ and input and output processing virtual elements ~~means~~.

2. (Original) The wireless display system of claim 1,

wherein said image display device further comprises power saving control means, and said power saving control means sets the image display device in first power saving

mode when the image display device is not operated for a specific time.

3. (Currently amended) The wireless display system of claim 2,
wherein said power saving control means sets the image display device in second power saving mode for saving more power than in first power saving mode when the image display device is in first power saving mode, and the data input and output port means is not used for a specific time.

4. (Currently amended) The wireless display system of claim 2,
wherein said image display device further comprises display elements means for displaying the image and operating elements means to be operated by the user, and said power saving control means sets said display elements means and operating elements means in power saving state in the first power saving mode.

5. (Currently amended) The wireless display system of claim 1,
wherein said wireless communication elements means ~~comprises means for~~ measures measuring the communication rate of all data including the image data transmitted from the data processing device and displayed in the image display device, and the communication rate of the wireless communication is controlled by decimating the updating of the image data at specific intervals when the communication rate exceeds a certain rate of the effective communication rate of the wireless communication.

6. (Currently amended) The wireless display system of claim 1,
wherein said data input and output port means is a universal serial communication interface.

7. (Currently amended) The wireless display system of claim 1,
wherein said data input and output port means is at least one of

barcode reader, tester, digital camera, card reader, scanner, and GPS.

8. (Original) A method of communication of wireless display system having said image display device and data processing device comprising the steps of:

- (a) entering and producing data in and from said image display device,
- (b) converting data format and protocol in the wireless communication, and
- (c) processing input and output in said data processing device virtually as if data input and output processing were done directly,

wherein step (a) and step (b) are done at the image display device side, step (c) is done at the data processing device side, and all communication data between said image display device and data processing device is processed at step (b) and step (c), and is mutually transmitted and received.

9. (Original) A computer program recording medium for executing communications of wireless display system having said image display device and data processing device comprising the programs for:

- (a) entering and producing data in and from said image display device,
- (b) converting data format and protocol in the wireless communication, and
- (c) processing input and output in said data processing device virtually as if data input and output processing were done directly,

wherein program (a) and program (b) are executed at the image display device side, and program (c) is executed at the data processing device side, and all communication data between said image display device and data processing device is transmitted and received by execution of program (b) and program (c).

10. (Currently amended) The wireless display system of claim 3,

wherein said image display device further comprises display elements ~~means~~ for displaying the image and operating elements ~~means~~ to be operated by the user, and said power saving control means sets said display elements ~~means~~ and operating elements ~~means~~ in power saving state in the first power saving mode.

11. (Currently amended) The wireless display system of claim 2,

wherein said wireless communication means comprises elements ~~means~~ for measuring the communication rate of all data including the image data transmitted from the data processing device and displayed in the image display device, and the communication rate of the wireless communication is controlled by decimating the updating of the image data at specific intervals when the communication rate exceeds a certain rate of the effective communication rate of the wireless communication.

12. (Currently amended) The wireless display system of claim 3,

wherein said wireless communication means comprises elements ~~means~~ for measuring the communication rate of all data including the image data transmitted from the data processing device and displayed in the image display device, and the communication rate of the wireless communication is controlled by decimating the updating of the image data at specific intervals when the communication rate exceeds a certain rate of the effective communication rate of the wireless communication.

13. (Currently amended) The wireless display system of claim 1,

wherein the data from said data input and output port ~~means~~ is used for connection verification in wireless connection between the data processing device and image display device, or for user authentication in the data processing device.

14. (Currently amended) The wireless display system of claim 2,

wherein the data from said data input and output port means is used for connection verification in wireless connection between the data processing device and image display device, or for user authentication in the data processing device.

15. (Currently amended) The wireless display system of claim 3,
wherein the data from said data input and output port means is used for connection verification in wireless connection between the data processing device and image display device, or for user authentication in the data processing device.

16. (Currently amended) The wireless display system of claim 2,
wherein said data input and output port means is a universal serial communication interface.

17. (Currently amended) The wireless display system of claim 3
wherein said data input and output port means is a universal serial communication interface.

18. (Currently amended) The wireless display system of claim 2,
wherein said data input and output port means is at least one of barcode reader, tester, digital camera, card reader, scanner, and GPS.

19. (Currently amended) The wireless display system of claim 3,
wherein said data input and output port means is at least one of barcode reader, tester, digital camera, card reader, scanner, and GPS.